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Page No : \_\_\_\_\_

# SRS Specification for Stock Maintenance System

## 1. Introduction

### 1.1 Purpose of this Document:

To specify the software requirements for a Stock Maintenance System, which help manage and track inventory level orders, sales, and deliveries.

### 1.2 Scope of this Document:

Users can add, update, and remove stock items, track stock levels, generate reports, and manage suppliers. The system supports notifications for low stock levels and facilitates order management.

### 1.3 Overview:

This document provides detailed info about the requirements and general process for stock management.

## 2 General Description

### 2.1 Product perspective:

#### o Staff Perspective:

view details of stock items including quantities, description, prices, and suppliers

#### o Management Perspective:

Access analytical dashboards for inventory, FCERs, low stock alerts and





financial summaries.

- Manage supplier details and performance

## 2. 2 Product functions.

- o Add, update and delete stock items
- o Track stock levels and manage reordering.
- o Generate reports
- o Manage suppliers and purchase orders.
- o Receive notifications for low stock levels

## 2. 3 User characteristics.

Users include inventory staff, managers and suppliers.

## 2. 4 General constraints.

- o Users must have appropriate permissions
- o The system must operate within organisations existing IT infrastructure
- o Stock updates should occur in real time to ensure data accuracy

## 2. 5 Assumptions and Dependencies

Users will input accurate stock info.

## 3 Functional Requirements





- o Stock Management System
- o Reporting system
- o Notification system
- o Supplier Management

#### 4. Interface Requirements

- o User Interface
- o API Interface
- o Database Interface

#### 5. Performance Requirements

- o Response Time, Availability, Error Handling, Security.

#### 6. Design Constraints

- 1. Database structure, Microservice architecture, Integration with existing systems, hardware Limitations

#### 7. Non Functional Requirements:

- Performance, Scalability, Security, Usability

#### 8. Preliminary Schedule and Budget

The stock maintenance system project is estimated to take approx 5 months. This includes hiring staff and engineers, planning and designing the software architecture, developing the system, conducting thorough quality assurance and re-deploying the system with estimated budget of 35 lakhs.